AMSAT News Service Weekly Bulletins
Issue: ANS-215 SPECIAL
Date: 2011-08-03
Sources: amsat-ans-2011-ans-215-special-hyperkitty-a0be26888d.txt,
amsat-ans-2011-ans-215-special-hyperkitty-f6918c7360.txt

SB SAT @ AMSAT $ANS-215.01
ARISSat-1/KEDR Deployment on August 3

AMSAT News Service Bulletin 215.01
>From AMSAT HQ SILVER SPRING, MD.
August 3, 2011
To All RADIO AMATEURS
BID: $ANS-215.01

AMSAT NEWS SERVICE SPECIAL BULLETIN
ANS-215
In this Special Bulletin:
* ARISSat-1/KEDR Deployment on August 3

ARISSat-1/KEDR is now ready for deployment from the International
Space Station during EVA 29 on August 3.

NASA TV will cover the EVA live starting at 1400 GMT on August 3.
1430: Hatch Open
1446: Egress ARISSat-1/KEDR and secure to airlock ladder
1452: Remove solar panel covers
1507: Translate to deploy site, activate PWR, TIMER1 and TIMER2
      switches, verify LEDs on, and deploy
(Internet streaming: http://www.nasa.gov/multimedia/nasatv/index.html)

Read the NASA Press Release about EVA-29 and ARISSat-1/KEDR at:
http://tinyurl.com/3hdn5k4 (nasa.gov)

NASA describes the activities for EVA-29, of which our satellite will
be the first task, "The duo's [Cosmonaut/Flight Engineers Sergei Volkov
and Alexander Samokutyaev] first task will be to deploy a boxy, 57
pound satellite, called alternately ARISSat-1 and Radioskaf-V, which
is the prototype test flight of a proposed series of educational
satellites being developed in a partnership with the Radio Amateur
Satellite Corp. (AMSAT), the NASA Office of Education ISS National
Lab Project, the Amateur Radio on ISS (ARISS) working group and
RSC-Energia."

ARISSat-1/KEDR Project Manager, Gould Smith, WA4SXM said, "The satel-
lite is scheduled to be deployed from the ISS during EVA-29 on Wednes-
day August 3 around 1507Z. There is a 15 minute delay after the safety
switches are all thrown before the transmitter turns on. First signals
should be transmitted shortly after 1520Z."

The ARISSat-1/KEDR team is looking for stations to make early reception
reports (1520Z-1800Z) after the ARISSat-1/KEDR release. It looks like
southern South America, very southern South Africa, followed by south-
east Asia should be the first areas to receive the signals.

Please send your reception reports to the amsat-bb(a)amsat.org. Title
your email - ARISSat-1 reception report.

Alaska and the western US should get a good pass around 1620Z. The
eastern US will have to wait until around 0416Z on the 4th to hear
the satellite.

ARISSat-1/KEDR RECEPTION REPORT CERTIFICATES

```
----------------------------------------
When you receive the downlink signal from ARISSat-1/KEDR you are
invited to send your report to the following e-mail boxes. You will
receive a PDF certificate by e-mail.

Students and school groups are especially welcome! We look forward
to your report!

Your report must contain the following information:

1) The signal you received:
   a) the secret word*,
   b) an SSTV image, or,
   c) telemetry data

2) Your name or group name

3) The date/time of reception

4) Your e-mail address of where to send your certificate. You will
   receive a PDF certificate via email.

Here are the e-mail boxes to send your reports:

Secret word* contest to: secretword(a)arissat1.org
SSTV image to:           sstvreport(a)arissat1.org
Telemetry data to:       tlmreport(a)arissat1.org
(either digital or voice report of the data you received)

Received BPSK telemetry and .CSV files should continue to be
sent to: telemetry(a)arissattlm.org.

* Those who do hear the secret word or call sign please do not put
  it out to the world. That would ruin the contest for those still
  waiting for their station to be in range.

You can find the details of the ARISSat-1/KEDR radio frequencies,
links to telemetry decoding software and mission details on-line at:
+ http://www.amsat.org
+ http://arissat1.org

ARISSat-1/KEDR can be accessed on these frequencies:
+ 145.950 MHz FM Downlink
+ 435 MHz - 145 MHz Linear Transponder
+ 145.919 MHz CW Beacon
+ 145.920 MHz SSB BPSK-1000 Telemetry

The latest telemetry can be seen LIVE on your computer or cell
phone at: http://www.arissattlm.org/mobile

TRACK STATUS on OSCAR STATUS PAGE
---------------------------------
David Carr, KD5QGR has added ARISSat-1/KEDR to the list of satel-
lites at the popular "Live OSCAR Satellite Status Page" at:
http://oscar.dcarr.org/ You are invited to submit your reports
on this page.

[ANS thanks the ARISSat-1/KEDR Team for the above information]

/EX


======================================================================
ADDITIONAL COMPONENT BULLETINS RECOVERED FROM OTHER POSTS
```

==========

SB SAT @ AMSAT $ANS-215.02
ARISSat-1/KEDR Deployed on August 3 - Signals Received

AMSAT News Service Bulletin 215.02
>From AMSAT HQ SILVER SPRING, MD.
August 3, 2011
To All RADIO AMATEURS
BID: $ANS-215.02

AMSAT NEWS SERVICE SPECIAL BULLETIN
ANS-215
In this Special Bulletin:
* ARISSat-1/KEDR Deployed on August 3 - Signals Received

ARISSat-1/KEDR has been deployed from the ISS during EVA-29 on Wednesday, August 3 by Cosmonaut/Flight Engineers Sergei Volkov and Alexander Samokutyaev. First signals have been received by JR8LWY reporting copy of the telemetry beacon as the satellite passed over Japan.

Full operational capability of ARISSat-1/KEDR is still under evaluation pending performance evaluation of the UHF antenna. Please submit your reception signal reports on amsat-bb and via the mission's e-mail boxes on http://www.amsat.org.

AMSAT President Barry Baines, WD4ASW, observed, "Welcome to a new era as AMSAT returns to space with ARISSat-1/KEDR. I encourage all hams, SWLs, educators, and experimenters to enjoy the unique opportunity presented by this mission to learn about amateur radio in space, enhance and improve your station, and hone your operating skills as you try out all of this satellite's features."

Barry continues, "ARISSat-1/KEDR marks a new type of satellite which has captured the attention of the national space agencies around the world for the unique educational opportunity we have been able to design, launch, and now operate. By designing an educational mission aligned with NASA's Science, Technology, Engineering, and Mathematics goals amateur radio operators around the world can now enjoy a new satellite in orbit."

ARISSat-1/KEDR Project Manager, Gould Smith, WA4SXM said, "Dozens of amateur radio volunteers, AMSAT, ARRL, NASA, and Energia have teamed up for this successful mission to bring you the most unique and innovative amateur radio satellite mission flying 220 miles above your QTH at 17,500 mph! Congratulations to all who made ARISSat-1 successful!"

Continuing, Gould said, "ARRISat-1/KEDR has been developed, built, and tested by a remarkable team of radio amateurs. As the Project Manager for ARISSat-1/KEDR these past three years I have had the opportunity to work with these creative people to get to where we are now ... IN ORBIT!"

Congratulations to our ARISSat-1/KEDR team:

Tony Monteiro, AA2TX
Dave Jordan, AA4KN
Claire Fredlund
John Charais
Mark Steiner, K3MS
Jim Diggs, K4AHO

George Presley, K4RSV
Jim Johns, KA0IQT
Douglas Quagliana, KA2UPW
Phil Karn, KA9Q
Carol Jackson, KB3LKI
Dick Jansson, KD1K
Bob Davis, KF4KSS
Joe Armbruster, KJ4JIO
Joe Fitzgerald, KM1P
Chuck Green, N0ADI
Gilbert Mackall, N3RZN
Mark Severance, N5XWF
Kenneth Ransom, N5VHO
Bill Ress, N6GHZ
Steve Bible, N7HPR
Joe Julicher, N9WXU
Jerry Zdenek, N9YTK
Bill Reed, NX5R
Sergey Samburov, RV3DR
Valery Pikkiev, RW3WW
Sergey Borodin
Tim Moffat
Lou McFadin, W5DID
Larry Brown, W7LB
Stan Wood, WA4NFY
Alan Biddle, WA4SCA
Gould Smith, WA4SXM
Graham Shirville, G3VZV
John Klingelhoeffer, WB4LNM
Barry Baines, WD4ASW
Bob Schwerdlin, WG9L
Carmine Fiorello, WK6C
Carl Zelich, AA4MI
Hank Sill, AC4ZI
Olon Henderson, AJ4HP
Garry Tuttle, N2EOX
Mike Welch, W1MNW

[ANS thanks AMSAT President Barry Baines, WD4ASW and ARISSat-1/KEDR
 Project Manager, Gould Smith, WA4SXM for the above information]

/EX